

BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC) BOARD AND CODE ADMINISTRATION DIVISION

# MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

# **NOTICE OF ACCEPTANCE (NOA)**

Gammans Skylight Systems, Inc. 10 Beavers Street Newnan, GA 30263

#### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 350, 400, & 500 Aluminum Fixed Skylight System

**APPROVAL DOCUMENT:** Drawing No. S-4097, sheets 1 through 7 of 7, dated April 15, 2010, last revised on July 25, 2011, titled "Gammans Series 350, 400, 500 fixed Skylights", prepared by RW Building Consultants, Inc., signed & sealed by Ryan J. King, P.E., on July 26, 2011, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

# MISSILE IMPACT RATING: Large Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

Heling A. Halon 08/11/2011

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.** 

MIAMI-DADE COUNTY
APPROYED

NOA No. 10-0426.12 Expiration Date: 08/11/2016 Approval Date: 08/11/2011

Page 1

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS:

1. Drawing No. S-4097, sheets 1 through 7 of 7, dated April 15, 2010, last revised on July 25, 2011, titled "Gammans Series 350, 400, 500 fixed Skylights", prepared by RW Building Consultants, Inc., signed & sealed by Ryan J. King, P.E., on July 26, 2011.

#### B. TEST REPORT

- 1. Test report on Uniform Static air Pressure Test on **Gammans Series 350** Skylight System, prepared by Testing Evaluation Laboratories, Inc., Report No. 01690236, dated 02/02/10, signed and sealed by Lyndon F. Schmidt, P.E., on April 20, 2010.
- 2. Test report on Large Missile Impact Test, Cyclic Load Test, and Uniform Static air Pressure Test on Gammans Series 400 Skylight System, prepared by Certified Testing Laboratories, Inc., Report No. CTLA-1642W-3, dated 04/12/07, signed and sealed by Ramesh Patel, P.E., on April 13, 2007.
- 3. Test report on Large and Small Missile Impact Test, Cyclic Load Test, and Uniform Static air Pressure Test on Gammans Series 500 Skylight System, prepared by American Test Lab, Inc., Report No. ATLNC 0630.1-04, dated 02/22/05, signed and sealed by David Johnson, P.E., on 11/29/10.
- 4. Test report on Large and Small Missile Impact Test, and Cyclic Load Test on Gammans Series 350 Skylight System, prepared by Testing Evaluation Laboratories, Inc., Report No. TEL 01690272, dated 08/03/10, signed and sealed by Lyndon F. Schmidt, P.E., on 12/07/10.
- 5. Addendum report to Test report Report No. TEL 01690272 on **Gammans Series 350** Skylight System, prepared by Testing Evaluation Laboratories, Inc., dated 05/05/11, signed and sealed by Lyndon F. Schmidt, P.E., on 05/09/11.

### C. CALCULATIONS

1. Calculation titled Gammans Skylight, 7 pages, dated 04/20/10, signed and sealed by Ryan J. King, P.E.

#### D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department.

#### E. MATERIAL CERTIFICATIONS

1. Solutia, Inc. NOA #08-0520.08, for Vanceva Composites Glass Interlayer.

Helmy A. Makar, P.E., M.S. BNC, Product Control Unit Supervisor

NOA No. 10-0426.12 Expiration Date: 08/11/2016

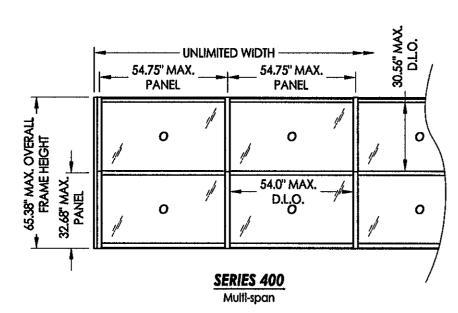
Approval Date: 08/11/2011

# GAMMANS SKYLIGHT SYSTEMS One Beavers Street Newman, GA 30263 SERIES 350, 400 & 500 ALUMINUM FIXED SKYLIGHT SYSTEM "LARGE MISSILE IMPACT"

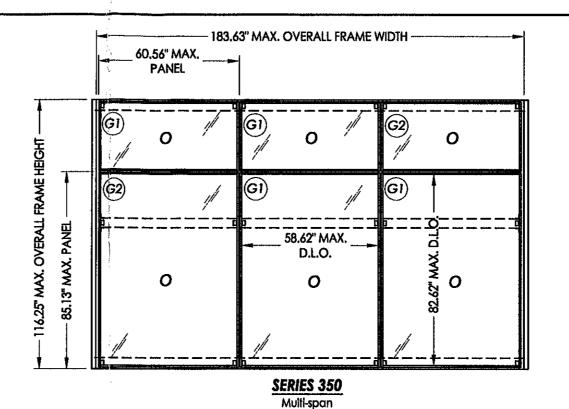
#### **GENERAL NOTES**

- 1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- 2. When used in the "HVHZ", this product complies with section 1626 of the Florida Building Code as a large missile impact resistant product and does not require an impact resistant covering.
- 3. The system detailed herein is generic and does not provide information for a specific site. A licensed engineer or registered architect shall prepare site specific documents (including framing support and connections) to be used in conjunction with this document.
- 4. Permit holder shall verify the adequacy of the existing structure to withstand new superimposed loads.
- 5. This product meets water infiltration requirements for "HVHZ".
- 6. All steel in contact with aluminum to be painted or plated.

TABLE OF CONTENTS					
SHEET#	DESCRIPTION				
1	General notes and elevations				
2	Series 350 details (multi-span)				
3	Series 350 details (multi-span) and b.o.m.				
4	Series 400 details (multi-span)				
5	Series 400 details (multi-span) and b.o.m.				
6	Series 500 details (multi-span)				
7	Series 500 details (multi-span) and b.o.m.				



54.75" X 32.68"	54.00" x 30.56"	G4	+50.0	-50.0
MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRE	NECTAVIVI:



MAX, O.A.

FRAME

DIMENSION

183.63" x 116.25"

MAX.

PANEL

DIMENSION

60.56" x 85.13"

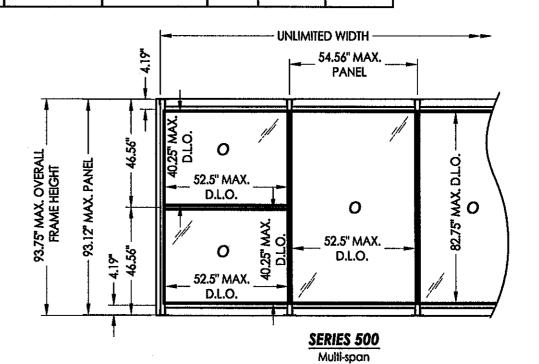
D.LO.	GLASS DESIGN PRESSURE (PSF)
maa. D.LO.	GLASS DESIGN PRESSURE (PSF)

+75.4

-75.4

G1, G2

58,62" x 82,62"



DIMENSION	DIMENSION	TYPE	POSITIVE	NEGATIVE
DIMENSION	DIMENSION		POSITIVE	NEGATIVE

Approved as complying with the Florida Building Code
Date 08/11/2011
NOA#10-0426.12
Miami Dade Product Control

By the Land Land

SERIES 350, 400
SERIES 350, 400
500 FIXED SKYLIGHTS
FOR ASSEMBLY:
CONMENTS LFS
GENERAL NOTES
AND ELEVATIONS

DATE: 4/15/10

N.T.S.

S-4097

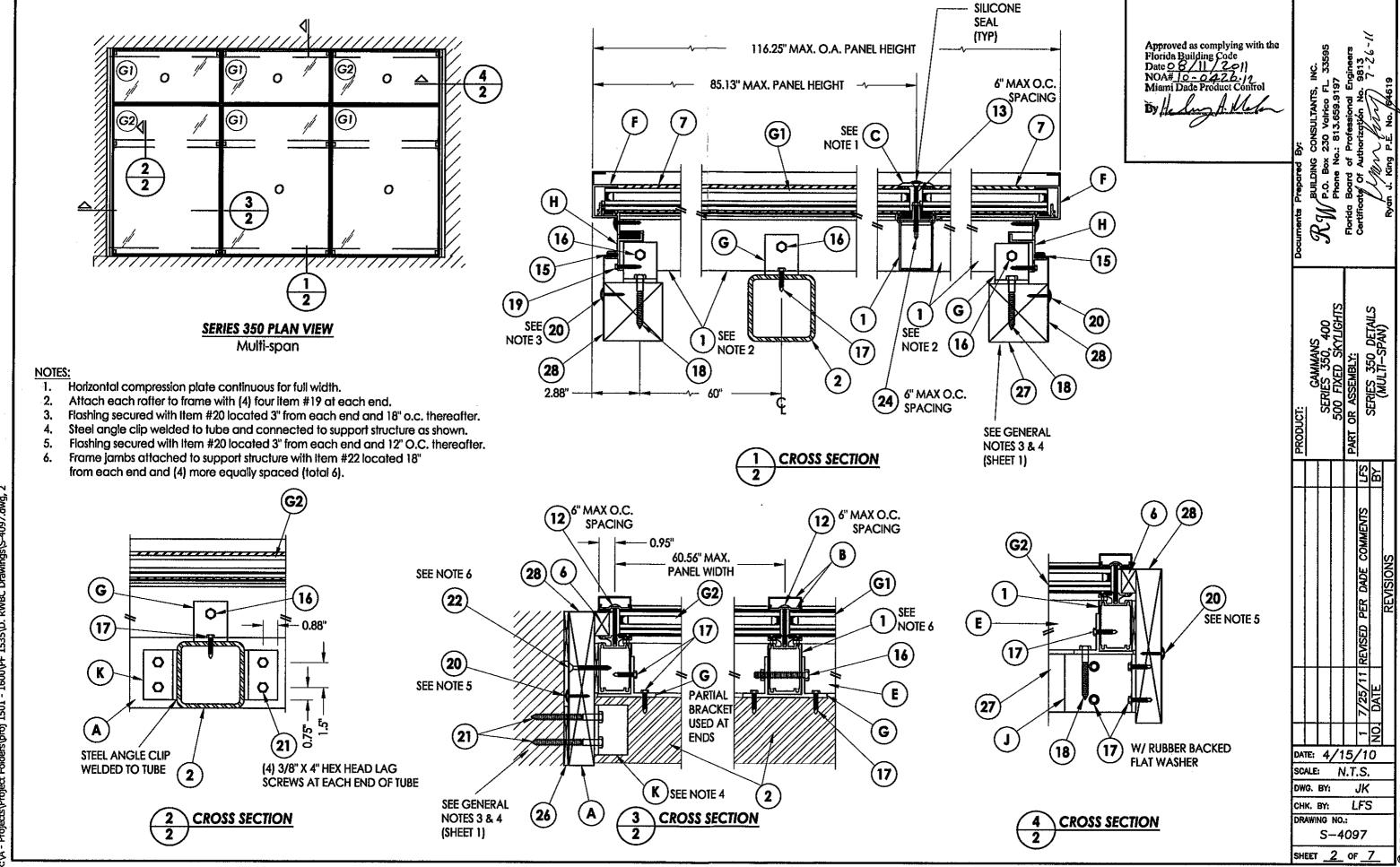
JK LFS

SCALE:

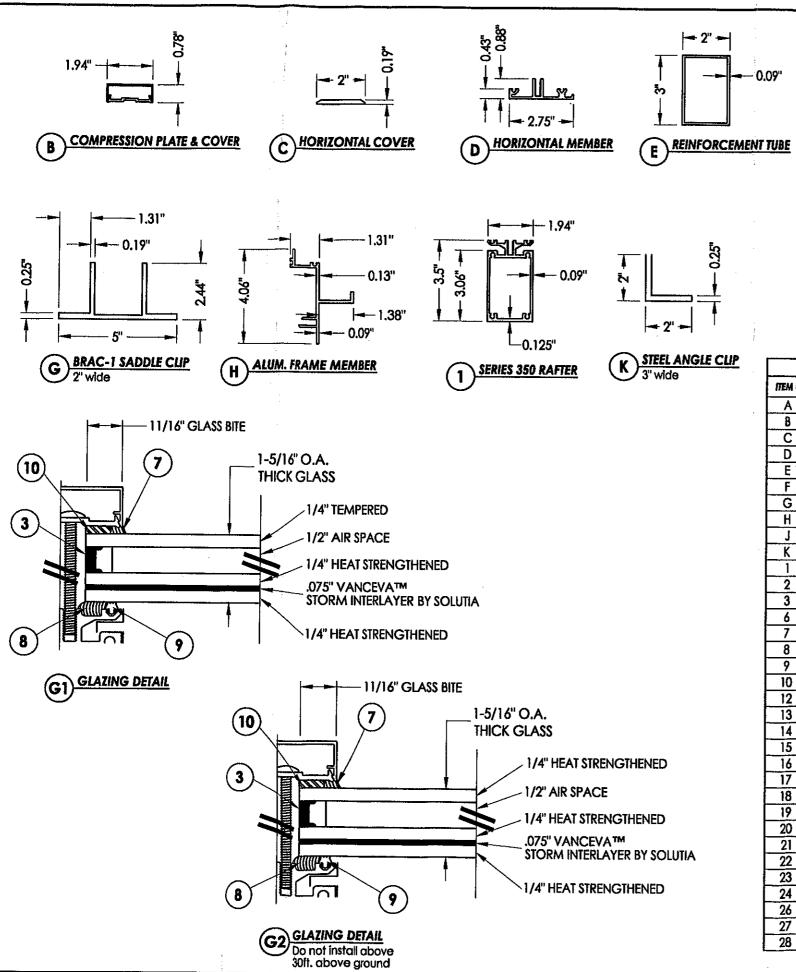
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CHK. BY: DRAWING NO.:

SHEET 1



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R:\A - Projects\Project Folders\proj 1501 - 1600\PF 1535\D. RWBC Drawings\S-4097.dwg, 3

	BILL OF MATERIALS	
ITEM #	DESCRIPTION	MATERIAL
Α	2 X 10 No. 1 SYP (S.G. ≥ 0.55) SUPPORT FRAMING	WOOD
В	COMPRESSION PLATE AND COVER	6063-T5 ALUM
С	HORIZONTAL COVER	6063-T5 ALUM
D	HORIZONTAL MEMBER	6063-T5 ALUM
E	HORIZONTAL REINFORECMENT TUBE	6063-T5 ALUM
F	GLASS COVER CHANNEL	6063-T5 ALUM
G	BRAC - 1 SADDLE CLIP	6063-T5 ALUM
Н	ALUMINUM FRAME MEMBER	6063-T5 ALUM
J	ALUMINUM ANGLE CLIP 3.5" WIDE	6063-T5 ALUM
K	STEEL ANGLE CLIP 3" WIDE	ASTM A-36 STEE
1	SERIES 350 RAFTER	6063-T5 ALUM
2	4" x 4" X .25" HORIZONTAL SUPPORT TUBE	6063-T5 ALUM
3	GLAZING SPACER	ALUM.
6	1X NAILER	WOOD
7	SILICONE (DOW 795)	SILICONE
8	SILICONE (DOW 995)	SILICONE
9	SILICONE GASKET	SILICONE
10	1/4" x 1/2" FOAM TAPE (NORTON V990)	-
12	1/4"-20 x 2" P.H. S.S. MACHINE SCREW	STAINLESS STEE
13	1/4"-20 x 2" P.F.H. S.S. MACHINE SCREW	STAINLESS STEE
14	SETTING BLOCK	-
15	BACKER ROD & SEALENT	**
16	3/8" x 3" HEX HEAD THREADED BOLT w/ 3/8" LOCK AND FLAT WASHERS w/ NUT	STEEL
17	3/8" x 1.25" HWH SMS	STEEL
18	3/8" x 3" HEX HEAD LAG SCREW	STEEL
19	#12 x 1.5" HEX HEAD SELF-DRILLING SMS	STEEL
20	#6 x 1.5" PFH WS	STEEL
21	3/8" x 4" HEX HEAD LAG SCREW	STEEL
22	#12 X 2.5" PPH SMS w/ FLAT WASHER	STEEL
23	3/16" x 1-11/16" ALUMINUM BACKER PLATE	STEEL
24	#14 X 2" HEX HEAD SELF-DRILLING SMS	STEEL
26	1/4" SHIM	-
27	4 x 4 No. 2 SYP (S.G. ≥ 0.55) SUPPORT BEAM	WOOD
28	.040" ALUMINUM FLASHING	ALUM

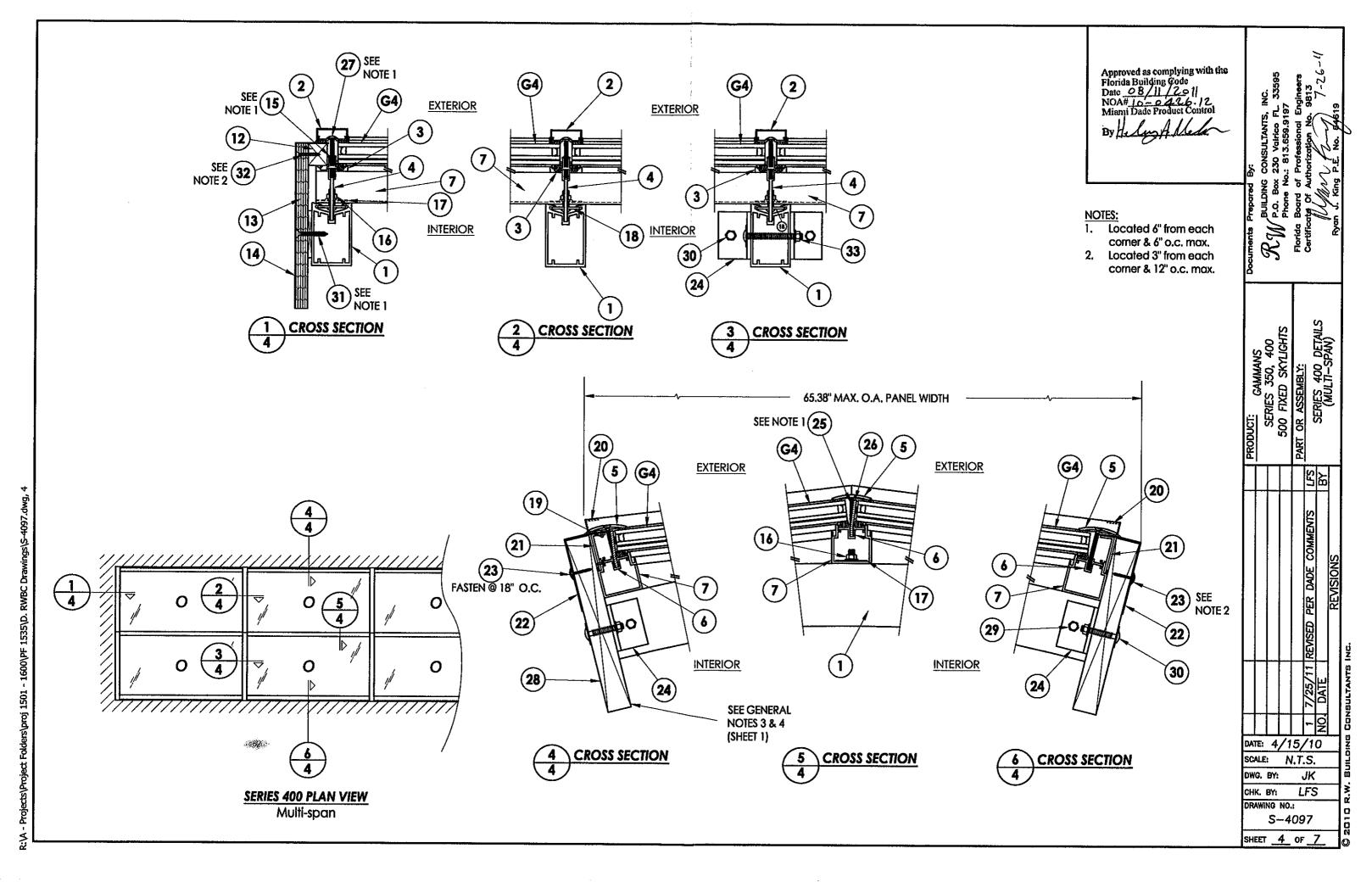
ALUMINUM ANGLE CLIP 3.5" wide

F GLASS COVER CHANNEL

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1				PRODUCI:	Locuments Prepared By:
- 1				GAMMANS	CO BUILDING CONSULTAN
1				SERIES 350, 400	A M P.O. Box 230 Valrice
				500 FIXED SKYLIGHTS	Phone No.: 813.659
	-			PART OR ASSEMBLY:	Florida Board of Professions
-	7/25/11	REVISED PER DADE COMMENTS	LFS		Certificate Of Authorization
2	), DATE		冶	SEKIES 350 DEIAILS	Marken
		REVISIONS		(MOLITEDIAN) AND BOOM.	Ryan J. King P.E. No//

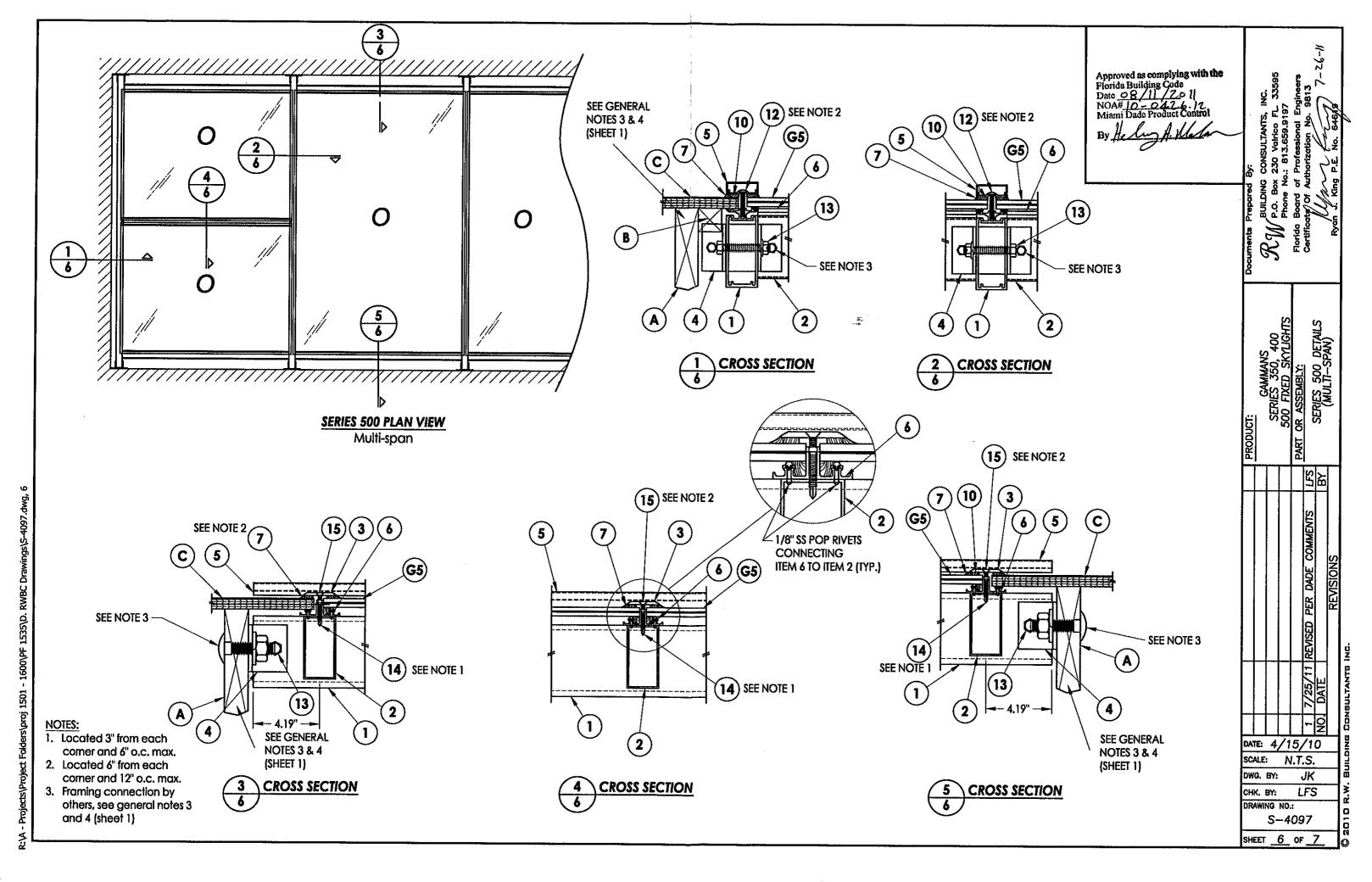
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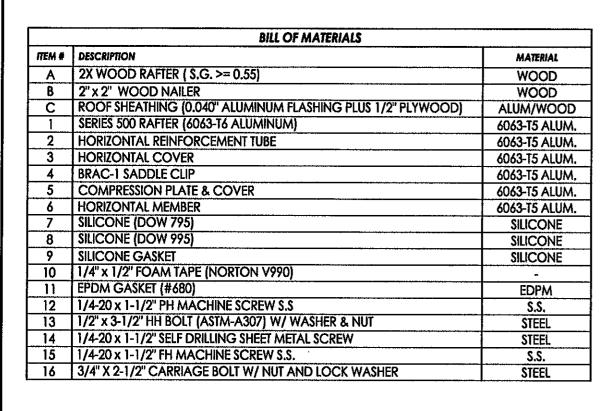
Florida Building Code
Date 08/11/201
NOA# 10-0426.12
Miami Dade Product Control

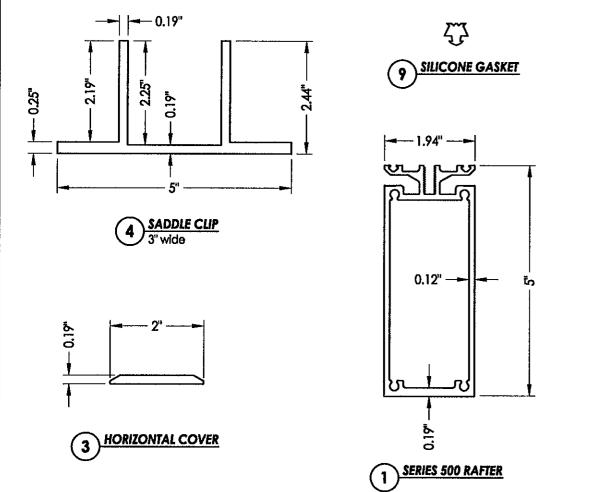


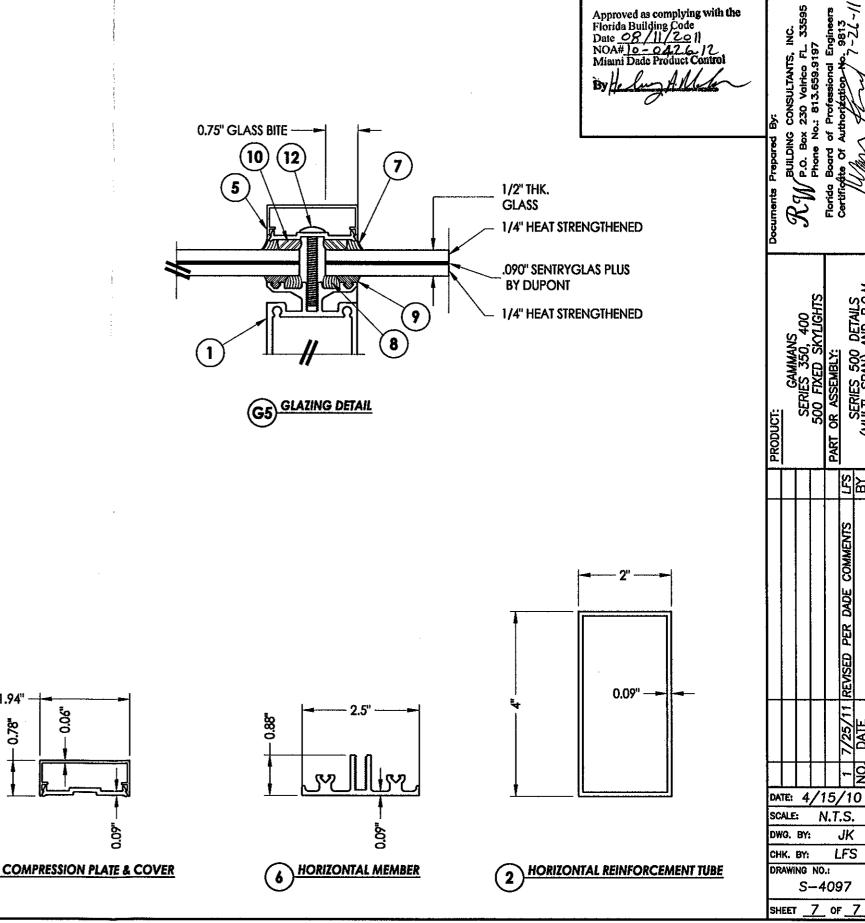
	BILL OF MATERIALS		11/16" GLASS BITE			:
ITEM #	DESCRIPTION	MATERIAL	DIE		Approved as complying with the	l 10 \
1	SERIES 400 RAFTER (6063-T6 ALUMINUM)	6063-T5 ALUM.	·	_ 1-5/16" THK.	Florida Building Gode	259
2	COMPRESSION PL. & COVER	6063-T5 ALUM.		GLASS	Date 08/11/2011	18C. 3356 7 7 9813
3	GLAZING BAR	6063-T5 ALUM.	(11) (8)	- 1/4" HEAT STRENGTHENED	Approved as complying with the Florida Building Gode  Date 08/11/2011  NOA#10-0426.17  Miami Dade Product Control	. 元で 4 / kg
4	GLAZING BLADE	6063-T5 ALUM.		- 1/2" AIR SPACE	By He lun A. Welm	S 69 69 59 59 59 59 59 59 59 59 59 59 59 59 59
5	HORIZONTAL COVER	6063-T5 ALUM.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2) #1000 #1	2 4 8 8 8 7 7 3 5 5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5
6	SCREW SPLINE INSERT	6063-T5 ALUM.				" So is is is
7	CONT. HORIZONTAL MEMBER (6063-T6 ALUMINUM)	6063-T5 ALUM.		- 1/4" HEAT STRENGTHENED		9 0 4 3 r \$ 5 r
8 9	GLAZING SPACER	ALUM.		075" VANCEVA STORM		
10	SILICONE GASKET DOW CORNING 995 SILICONE	SILICONE	(9)	INTERLAYER BY SOLUTIA		B B o E B
11	.25" X .5" FOAM TAPE (NORTON V990)	SILICONE	10)	- 1/4" HEAT STRENGTHENED		
12	GLAZING SHIM	WOOD	1 0			RM Florida Certific
13	3/4" PLYWOOD OR FRAMING	WOOD				ايِّ 6 ج يڌيُّ
14	.040" ALUM. FLASHING	ALUM.	G4) GLAZING DETAIL			8 -
15	1/4-20 X 1-1/4" M.S.	STEEL				ļ
16	3/8" X 2" CARRIAGE BOLT W/ NUT AND LOCK WASHER	STEEL				
17	FENDER WASHER	STEEL				¥
18	1/8" S.S. BACKER PLATE	S.S.			to .	4NS 400 1JGHTS DETAILS AND B.O.
19	1/8" S.S. POP RIVET	S.S.		1.94" 6	0.438"	VS 1GHT NDETA
20 21	END CLOSURE CAP ALUM, GLAZING SHIM	6063-T5 ALUM.			i ni	GAMMANS 350, 40 D SKYLIG EMBLY: S 400 DE PAN) ANI
22	.060" ALUM, FLASHING	ALUM.			<u> </u>	350, SKY 8KY 400 AN)
23	END CLOSURE CAP W/ FASTENER @ 18" O.C.	ALUM. ALUM.				S 2 1 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1
24	ALUM. ANGLE BRACKETS	6063-T5 ALUM.	0.125"		2"	
25	1/4-20 X 2-1/2" FLAT HD. M.S. S.S.	S.S.	0.125	O 00415 N 4 004175	2 -	PRODUCT: GAMMA SERIES 350, 500 FIXED SKYI PART OR ASSEMBLY: SERIES 400 (MULTI-SPAN)
26	ALUM, GLASS SUPPORT PLATES	ALUM.	6	2 COMP. PL. & COVER	3 GLAZING BAR	SE 500 ART OR SI
27	1/4-20 X 2-1/2" PAN HD M.S. S.S	S.S.		igcup	$\odot$	N   N   N   N   N   N   N   N   N   N
28	2X BUCK FRAMING (SG. >= 0.55)	WOOD				
29	3/8" X 3" CARRIAGE BOLT W/ NUT AND LOCK WASHER	STEEL				
30	1/2" X 2" CARRIAGE BOLT W/ 3/8" LOCK WASHER AND NUT FENDER WASHER	STEEL	<b>†</b>	<del>                                     </del>		
31 32	1/4-20 X 2" PFH SELF-TAPPING SMS W/ FLAT HEAT WASHER #6 X 1-1/2" PFH WOOD SCREW	STEEL	2.5"	<b>[[_]</b> <u> </u>	2.5"	
	3/8" X 4-1/2" CARRIAGE BOLT W/ 3/8" LOCK WASHER AND NUT FENDER WASHER	STEEL STEEL	,		1	
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	Z		2.5"		<u> </u>	DATE: 4/15/10
	Aliminim angif RDACYE	7			LO .	SCALE: N.T.S.
	24 ALUMINUM ANGLE BRACKE 3" wide	· <u>··</u>	CONT. HORIZONTAL MEMBER		——————————————————————————————————————	DWG. BY: JK
	_		$\bigcirc$		CODEIN COLINE INICEDT	CHK. BY: LFS
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					_	S-4097
·						SHEET <u>5</u> OF <u>7</u>

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N.T.S.

S-4097

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